

HISTORIC AMERICAN ENGINEERING RECORD

HAER
MINN,
25-REW.V,
2-

Index to Photographs

Upper Mississippi River Nine-Foot Channel
Project, Lock and Dam Number 3

HAER No. MN-21

Red Wing vicinity
Goodhue County, Minnesota
Pierce County, Wisconsin

NOTE: Photographs MN-21-1 through MN-21-71 were taken by Clayton B. Fraser,
photographer, August 1987

MN-21-1	OVERALL VIEW OF DAM AND LOCKS, LOOKING SOUTHEAST, DOWNSTREAM
MN-21-2	OVERALL VIEW OF DAM, LOOKING SOUTHEAST, DOWNSTREAM
MN-21-3	OVERALL VIEW OF DAM, LOOKING NORTH, UPSTREAM
MN-21-4	DETAIL VIEW OF DAM, SHOWING ROLLER GATES, GATE PIERS, HEADHOUSES AND DAM BRIDGE, LOOKING NORTH, UPSTREAM
MN-21-5	DETAIL VIEW OF DAM, WITH RIPRAP SHORE PROTECTION IN FOREGROUND, LOOKING EAST, DOWNSTREAM
MN-21-6	VIEW OF SOUTH DAM ABUTMENT, WITH BULKHEAD STORAGE YARD AT LEFT, LOOKING NORTHEAST
MN-21-7	VIEW OF DAM BRIDGE, WITH HEADHOUSES IN RIGHT FOREGROUND, LOOKING NORTHEAST
MN-21-8	DETAIL VIEW OF DAM, SHOWING ROLLER GATES, HEADHOUSES AND DAM BRIDGE, LOOKING NORTHEAST, UPSTREAM
MN-21-9	DETAIL VIEW OF HEADHOUSE/PIER, SHOWING ROLLER GATE, LOOKING NORTHEAST
MN-21-10	VIEW OF DAM ROLLER GATE IN LOWERED POSITION, WITH HEADHOUSE IN BACKGROUND AND BRIDGE IN LEFT FOREGROUND, LOOKING NORTHEAST
MN-21-11	VIEW OF DAM ROLLER GATE IN RAISED POSITION, WITH HEADHOUSE IN BACKGROUND AND BRIDGE IN LEFT FOREGROUND, LOOKING NORTHEAST
MN-21-12	VIEW OF DAM PIERS, BULKHEAD, DAM BRIDGE GIRDERS AND ROLLER GATE (IN RAISED POSITION), LOOKING EAST
MN-21-13	VIEW OF DAM ROLLER GATE, HEADHOUSE AND DAM BRIDGE, LOOKING EAST

Upper Mississippi River Nine-Foot Channel
Project, Lock and Dam Number 3
HAER No. MN-21
Index to Photographs
(Page 2)

MN-21-14	DETAIL VIEW SHOWING ROLLER GATES, ROLLER TRACKS AND HEADHOUSES, LOOKING SOUTHWEST
MN-21-15	VIEW OF HEADHOUSE, WITH ROLLER GATE IN LOWERED POSITION, LOOKING NORTHEAST
MN-21-16	VIEW OF HEADHOUSE, WITH ROLLER GATE IN RAISED POSITION, LOOKING NORTHEAST
MN-21-17	DETAIL VIEW OF ROLLER GATE (IN RAISED POSITION), SHOWING GATE FLANGES, GATE HEATER (LEFT FOREGROUND), ROLLER TRACK, CHAIN AND BRIDGE GIRDER, LOOKING EAST
MN-21-18	DETAIL VIEW OF ROLLER GATE, SHOWING GATE FLANGE AND ROLLER TRACK, LOOKING SOUTH
MN-21-19	INTERIOR VIEW OF HEADHOUSE, SHOWING ROLLER GATE LIFTING MACHINERY, LOOKING NORTH
MN-21-20	INTERIOR VIEW OF HEADHOUSE, SHOWING ROLLER GATE LIFTING MACHINERY AND FREESTANDING ROLLER GATE GAUGE, LOOKING SOUTHEAST
MN-21-21	VIEW OF MOVABLE CRANE ON DAM BRIDGE, LOOKING NORTHEAST
MN-21-22	VIEW OF ROLLER GATE BULKHEADS IN STORAGE YARD, LOOKING NORTHEAST, FROM DAM BRIDGE
MN-21-23	VIEW OF ROLLER GATE BULKHEADS AND BULKHEAD CARS IN STORAGE YARD, LOOKING EAST
MN-21-24	VIEW OF DAM ROLLER GATE BULKHEADS, BULKHEAD CARS AND TRACKS IN STORAGE YARD, WITH MOVABLE CRANE AND DAM BRIDGE IN BACKGROUND, LOOKING WEST
MN-21-25	VIEW OF MAINTENANCE CREW LIFTING ROLLER GATE BULKHEAD FROM CAR, USING MOVABLE CRANE, LOOKING EAST
MN-21-26	VIEW OF MAINTENANCE CREW PLACING ROLLER GATE BULKHEAD IN GATE PIER SLOTS, USING MOVABLE CRANE, LOOKING EAST
MN-21-27	OVERALL VIEW OF EARTH DIKE FROM DAM BRIDGE, LOOKING WEST
MN-21-28	OVERALL VIEW OF LOCKS, LOOKING NORTHWEST, UPSTREAM, FROM DOWNSTREAM GUIDEWALL

Upper Mississippi River Nine-Foot Channel
Project, Lock and Dam Number 3
HAER No. MN-21
Index to Photographs
(Page 3)

MN-21-29 INTERIOR VIEW OF MAIN LOCK, LOOKING WEST, UPSTREAM

MN-21-30 INTERIOR VIEW OF MAIN LOCK, LOOKING SOUTHEAST, DOWNSTREAM

MN-21-31 INTERIOR VIEW OF AUXILIARY LOCK, LOOKING SOUTHEAST, DOWNSTREAM

MN-21-32 VIEW OF BULKHEAD FOR MAIN LOCK GUIDEWALL, LOOKING NORTHEAST

MN-21-33 VIEW OF MAIN LOCK INTERIOR TILE GAUGE, LOOKING NORTHEAST

MN-21-34 VIEW OF MAIN LOCK UPSTREAM MITER GATE, LOOKING WEST

MN-21-35 VIEW OF MAIN LOCK UPSTREAM MITER GATE, LOOKING SOUTH

MN-21-36 VIEW OF MAIN LOCK UPSTREAM GATE STATION AND MITER GATE, LOOKING SOUTH

MN-21-37 VIEW OF AUXILIARY LOCK MITER GATE, WITH DAM IN BACKGROUND, LOOKING NORTH

MN-21-38 VIEW OF AUXILIARY LOCK MACHINERY WELL, LOOKING EAST

MN-21-39 VIEW OF MAIN LOCK TAINTER VALVE MACHINERY, LOOKING NORTHEAST

MN-21-40 VIEW OF MAIN LOCK TAINTER VALVE MACHINERY, LOOKING NORTHWEST

MN-21-41 VIEW OF AUXILIARY LOCK TAINTER VALVE WELL, LOOKING NORTHWEST

MN-21-42 VIEW OF MAIN LOCK WINCH, LOOKING SOUTHWEST

MN-21-43 VIEW OF BOAT LAUNCH, LOOKING NORTHEAST

MN-21-44 VIEW OF UPSTREAM STAGE RECORDER, LOOKING NORTHWEST

MN-21-45 VIEW OF UPSTREAM GUIDEWALL, SHOWING LIGHT STANDARD AND LOCK, LOOKING SOUTHEAST, UPSTREAM

MN-21-46 OVERALL VIEW OF ESPLANADE, LOOKING EAST

MN-21-47 OVERALL VIEW OF ESPLANADE, LOOKING NORTH

MN-21-48 VIEW OF CENTRAL CONTROL STATION, LOOKING NORTH

MN-21-49 VIEW OF CENTRAL CONTROL STATION, LOOKING EAST

Upper Mississippi River Nine-Foot Channel
Project, Lock and Dam Number 3
HAER No. MN-21
Index to Photographs
(Page 4)

MN-21-50	VIEW OF CENTRAL CONTROL STATION, WITH MAIN LOCK IN FOREGROUND, LOOKING SOUTH
MN-21-51	VIEW OF CENTRAL CONTROL STATION, WITH MAIN LOCK AND YAZOO CITY IN FOREGROUND, LOOKING SOUTHWEST
MN-21-52	INTERIOR VIEW OF CENTRAL CONTROL STATION, FIRST FLOOR, SHOWING GENERATOR ENGINE AND CENTRAL CONTROL PANEL, LOOKING EAST
MN-21-53	INTERIOR VIEW OF CENTRAL CONTROL STATION, WITH A DETAIL VIEW OF THE CENTRAL CONTROL PANEL, LOOKING SOUTH
MN-21-54	INTERIOR VIEW OF CENTRAL CONTROL STATION, WITH A DETAIL VIEW OF THE GENERATOR ENGINE, LOOKING NORTH
MN-21-55	INTERIOR VIEW OF CENTRAL STATION STATION, BASEMENT, SOUTHEAST
MN-21-56	VIEW OF LOCKKEEPER'S HOUSE I (REMOVED FROM ESPLANADE), LOOKING SOUTH
MN-21-57	VIEW OF LOCKKEEPER'S HOUSE I (REMOVED FROM ESPLANADE), LOOKING NORTHWEST
MN-21-58	VIEW OF LOCKKEEPER'S HOUSE I (REMOVED FROM ESPLANADE), LOOKING SOUTHWEST
MN-21-59	VIEW OF LOCKKEEPER'S HOUSE I (REMOVED FROM ESPLANADE), LOOKING NORTHEAST
MN-21-60	INTERIOR VIEW OF LOCKKEEPER'S HOUSE I (REMOVED FROM ESPLANADE), SHOWING FIRST FLOOR LIVING ROOM, LOOKING NORTHWEST
MN-21-61	INTERIOR VIEW OF LOCKKEEPER'S HOUSE I (REMOVED FROM ESPLANADE), SHOWING FIRST FLOOR DINING ROOM, LOOKING NORTHWEST
MN-21-62	INTERIOR VIEW OF LOCKKEEPER'S HOUSE I (REMOVED FROM ESPLANADE), SHOWING FIRST FLOOR KITCHEN, LOOKING NORTHWEST
MN-21-63	INTERIOR VIEW OF LOCKKEEPER'S HOUSE I (REMOVED FROM ESPLANADE), SHOWING SECOND FLOOR MASTER BEDROOM, LOOKING NORTHEAST
MN-21-64	VIEW OF LOCKKEEPER'S HOUSE II (REMOVED FROM ESPLANADE), LOOKING EAST

Upper Mississippi River Nine-Foot Channel
Project, Lock and Dam Number 3
HAER No. MN-21
Index to Photographs
(Page 5)

- MN-21-65 VIEW OF LOCKKEEPER'S HOUSE II (REMOVED FROM ESPLANADE), LOOKING WEST
- MN-21-66 VIEW OF LOCKKEEPER'S HOUSE II (REMOVED FROM ESPLANADE), LOOKING SOUTH
- MN-21-67 DETAIL VIEW OF FRONT ENTRANCE OF LOCKKEEPER'S HOUSE II (REMOVED FROM ESPLANADE), LOOKING NORTHEAST

The following are photocopies of photographs, courtesy of U. S. Engineer Office, St. Paul, Minnesota. Original prints are located at Mississippi River Lock and Dam Number 3.

- MN-21-68 VIEW OF ROUND PILES DELIVERED. Taken May 3, 1936.
- MN-21-69 VIEW OF PLANT LAYOUT AND MATERIAL YARD. Taken June 2, 1937.
- MN-21-70 GENERAL VIEW FROM OUTER ARM OF COFFERDAM. Taken July 12, 1937.
- MN-21-71 AERIAL VIEW OF LOCK AND DAM COMPLEX. Date and photographer unknown.

The following are photocopies of original construction drawings. Original prints are in the possession of the U. S. Army Corps of Engineers, St. Paul District, St. Paul, Minnesota. The photographer is unknown.

- MN-21-72 LOCK - INDEX (ML-3-0/1-FS), January 1942.
- MN-21-73 DAM - INDEX (ML-3-0/1-FS), October 1936.
- MN-21-74 LOCK - SITE MAP (ML-3-10/18-FS), September 1936.
- MN-21-75 LOCKKEEPERS' DWELLINGS - LOCATION PLAN (ML-3-10/40), August 1938.
- MN-21-76 LOCK - GENERAL PLAN (ML-3-20/1-FS), December 1934.
- MN-21-77 27 FT. LOCK GATES, 3 FT. SIDEWALK HEIGHT - GENERAL DRAWING (ML-3-21/17-FS), December 1934.
- MN-21-78 27 FT. LOCK GATES - DETAILS OF QUOIN GIRDERS (ML-3-21/19-FS), December 1934.

Upper Mississippi River Nine-Foot Channel
Project, Lock and Dam Number 3
HAER No. MN-21
Index to Photographs
(Page 6)

MN-21-79 ESPLANADE - UTILITIES - GENERAL PLAN (ML-3-38/1), December 1934.

MN-21-80 ESPLANADE - UTILITIES PUMP HOUSE - CONSTRUCTION DETAILS
(ML-3-38/6), January 1939.

MN-21-81 ESPLANADE - SITE MAP (ML-3-38/10-FS), May 1939.

MN-21-82 ESPLANADE - GENERAL PLAN (ML-3-38/11-FS), May 1939.

MN-21-83 ESPLANADE - LANDSCAPING (ML-3-38/17-FS), May 1939.

MN-21-84 DAM - MOVABLE DAM - GENERAL PLAN (ML-3-40/1-FS), September 1936.

MN-21-85 DAM - ROLLER GATE PIERS - SECTION AND ELEVATION (ML-3-40/2-FS),
September 1936.

MN-21-86 DAM - STEEL SHEET PILING LAYOUT (ML-3-40/4-FS), October 1936.

MN-21-87 DAM - PILE SPACING - PIERS 4 & 5: SILL & APRON - GATES 3 & 4
(ML-3-40/9-FS), October 1936.

MN-21-88 DAM - OPERATING HOUSE PLANS & ELEVATIONS (ML-3-41/1-FS),
September 1936.

MN-21-89 DAM - OPERATING HOUSES WALL SECTION & MISCELLANEOUS DETAILS
(ML-3-41/2-FS), September 1936.

MN-21-90 DIKES - DIKES AT VERMILLION AND CARTER SLOUGHS - PLANS & DETAILS
(ML-3-52/26-FS), June 1936.

MN-21-91 DAM - SERVICE BRIDGE STRUCTURAL STEEL ASSEMBLY (ML-3-53/1-FS),
September 1936.

MN-21-92 DAM - ROLLER GATE OPERATING MACHINERY LIFTING CHAIN
(ML-3-54/7-FS), September 1936.

MN-21-93 DAM - LOCOMOTIVE CRANE TYPE C - GENERAL DRAWING (ML-3, 7, 8 &
9-57/1-FS), no date.

MN-21-94 DAM - SERVICE BRIDGE FLAT CAR ASSEMBLY (ML-3-58/10-FS),
September, 1936.

MN-21-95 LOCK - CENTRAL CONTROL STATION - ELEVATIONS & SECTIONS
(ML-3-70/1-FS), December 1934.

Upper Mississippi River Nine-Foot Channel
Project, Lock and Dam Number 3
HAER No. MN-21
Index to Photographs
(Page 7)

- MN-21-96 LOCK - CENTRAL CONTROL STATION PLAN - BASEMENT, FIRST FLOOR &
ROOF (ML-3-70/2-FS), December 1934.
- MN-21-97 LOCK - CENTRAL CONTROL STATION - ARCHITECTURAL DETAILS
(ML-3-70/5-FS), December 1934.
- MN-21-98 ELECTRICAL SYSTEM - CENTRAL CONTROL STATION - GENERAL ARRANGEMENT
OF EQUIPMENT (ML-3-71/1-FS), April 1937.

NOTE: Negatives are 4" x 5" format.